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## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

## Listing of Claims:

1 1-16. (canceled) The powder of claim 1 method of claim 29 wherein 1 17. (Currently amended) said particles deliver said agent into the bloodstream of said subject. 2 18. (canceled) 1 The powder of claim 1 method of claim 29, wherein 1 19. (Currently amended) the aerogel particle contains particles contain pores of about 1 to 100 nm. 2 The powder of claim 1 method of claim 29, wherein 1 20. (Currently amended) the aerogel particle has particles have a surface area of about 100 to 1,200 m<sup>2</sup>/g. 2 1 21. (canceled) The powder of claim 1 method of claim 29, wherein 1 22. (Currently amended) the aerogel particle has particles have a particle size of about submicron up to about 3 microns. 2 The powder of claim 1 method of claim 29, wherein the aerogel 1 23. (New) particle is particles are a carrier selected from the group consisting of sugars and carbohydrates. 2 1 24. (canceled) 1 25. (canceled) The powder of claim 1; method of claim 29, wherein said powder is prepared by the steps of (i) preparing porous gels of a carrier material which is soluble in 2 pulmonary surfactant; (ii) soaking the porous gels in a solution of the therapeutic agent; (iii) 3 removing the solvent and forming aerogels by supercritical drying; and (iv) converting the 4 5 aerogels into powder.

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1	26. (Currently amended) The powder of olaim 1 method of claim 29, wherein			
2	the therapeutic agent is insulin.			
1	27. (Currently amended) The powder of claim 1 method of claim 29, wherein			
2	the therapeutic agent is methadone.			
1	28. (Currently amended) The powder of claim 1 method of claim 29, wherein			
2	the therapeutic agent is naltrexone.			
1	29. (Currently amended) A method of treating a disease state responsive to			
2	treatment by a therapeutic agent comprising pulmonarily administering to the alveoli of a subject			
3	in need thereof a dispersible dry powder according to claim 1 comprising			
4	a therapeutically effective amount of a therapeutic agent in aerogel particles			
5	wherein said particles have a density of about 0.1 to 0.001 g/cc and particle size to permit them			
6	to reach the alveoli of a human subject's lungs upon inhalation.			
1	30. (Previously presented) The method of claim 29, wherein the powder is			
2	prepared from an aerogel prepared by supercritical drying at a temperature of less than 40°C.			
1	31. (Previously presented) The method of claim 30, wherein the powder is			
2	prepared from an aerogel prepared by co-gelling the therapeutic agent with a gel-forming			
3	material selected from the group consisting of sugars and carbohydrates.			
1	32-35, (canceled)			
1	36. (Currently amended) A method of delivering a therapeutic agent to a			
2	subject, said method comprising administering to the alveoli of said subject a dispersible dry			
3	powder according to claim 1 comprising a therapeutically effective amount of said therapeutic			
4	agent in aerogel particles wherein said particles have a density of about 0.1 to 0.001 g/cc and			
5	particle size to permit them to reach the alveoli of a human subject's lungs upon inhalation as an			
6	inhalant.			
1	37. (Currently amended) A method of delivering a therapeutic agent to the			
2	bloodstream of a subject, said method comprising administering to the alveoli of said subject a			

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- dispersible dry powder according to claim 1 comprising a therapeutically effective amount of 3 said therapeutic agent and aerogel particles wherein said particles have a density of about 0.1 to 4 0.001 g/cc and particle size to permit them to reach the alveoli of a human subject's lungs upon 5 6 inhalation as an inhalant. 1 38. (canceled) The powder of claim 1 method of claim 29 wherein 39. (Currently amended) 1 2 said agent is adsorbed onto the structure of said particles. The powder of claim 1 method of claim 29 wherein 40. (Currently amended) 1 2 said particles are directly prepared from said therapeutic agent. 1 The powder of claim 1 method of claim 29 wherein 41. (Currently amended) 2 the structure of said particles comprise said therapeutic agent. 1 42. (Currently amended) The powder of claim 1 method of claim 29 wherein 2 said powder is formulated for quick introduction into the bloodstream and controlled release thereafter. 3 The powder of claim 1 method of claim 29 wherein 1 43. (Currently amended) 2 the powder is formulated for slow release. 1 44. (canceled) 1 45. (New) The method of claim 36, wherein the powder is prepared from an
- The method of claim 36, wherein the powder is prepared from an 2 aerogel prepared by co-gelling the therapeutic agent with a gel-forming material selected from

aerogel prepared by supercritical drying at a temperature of less than 40°C.

3 the group consisting of sugars and carbohydrates.

46. (New)

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1 47. (New) The method of claim 36, wherein the aerogel particles contain 2 pores of about 1 to 100 nm.

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1		48. (New)	The method of claim 36, wherein the aerogel particles have a	
2	surface area of about 100 to 1,200 m <sup>2</sup> /g.			
1		49. (New)	The method of claim 36, wherein the aerogel particles have a	
2	particle size of about submicron up to about 3 microns.			
1		50. (New)	The method of claim 36, wherein the aerogel particles are a carrier	
2	selected from the group consisting of sugars and carbohydrates.			
1		51. (New)	The method of claim 36, wherein the therapeutic agent is insulin.	
1		52. (New)	The method of claim 36, wherein the therapeutic agent is	
2	methadone.			
1		53. (New)	The method of claim 36, wherein the therapeutic agent is	
2	naltrexone.			